



**DoD Maintenance Policy,
Programs, and Resources**

FACT BOOK 2000



ACQUISITION, TECHNOLOGY
AND LOGISTICS

**OFFICE OF THE DEPUTY UNDER SECRETARY OF DEFENSE
(LOGISTICS AND MATERIEL READINESS)
3500 DEFENSE PENTAGON
WASHINGTON DC 20301-3500**

Defense maintenance is the business of more than 700,000 military (Active and Reserve Component) and DoD civilian personnel. In addition, over 1,000 private sector firms are engaged in performing maintenance of DoD materiel. Supported weapon systems include over 300 ships, 15,000 aircraft/helicopters, 1,000 strategic missiles, and 250,000 ground combat/tactical vehicles. Hundreds of thousands of additional assets are also supported. DoD maintenance consumes an estimated 40 billion dollars annually in resources.

Depot maintenance – the repair, rebuilding, and major overhaul of weapon systems, end items, assemblies, and subassemblies – involves about 1 in 10 personnel in the DoD maintenance work force and accounts for about one-third of estimated total maintenance costs. Private sector firms are projected to accomplish nearly 45 percent of the depot maintenance requirements in fiscal year 2001.

Field-level maintenance – maintenance accomplished on the weapon systems and equipment themselves or in nearby shops – is accomplished at most of the Department's military installations. When considering active duty military, Federal civilians, and Reserve Component forces, about 90 percent of the DoD maintenance work force is involved in providing field-level maintenance support. The private sector also provides some of DoD's weapon and equipment field-level maintenance support through arrangements such as contractor logistics support and interim support contracts.

DoD's Maintenance Policy, Programs, and Resources Fact Book contains general information about Maintenance – particularly Depot Maintenance. The Fact Book presents historical information as well as projections, where needed, to highlight trends. The Fact Book, presenting data available through August 2000, provides general information only and does not represent official correspondence.

Robert T. Mason

Assistant Deputy Under Secretary of Defense
(Maintenance Policy, Programs and Resources)

Table of Contents

Acronym List	1
OSD Logistics Organization	3
Logistics Mission & Vision Statements	4
Logistics End-State Characteristics	5
Logistics Objectives & Performance Measures	6
Logistics Costs and Personnel	7
Force Structure Changes	8
Active Duty Personnel	9
DoD Maintainers Support a Wide Range of Defense Materiel .	10
DoD Maintenance Work Force	11
DoD Maintenance Work Force by Service and Segment (FY99)	12
Maintenance Personnel – Worldwide	13
Maintenance Personnel by State/Territory.	14
Active Duty Maintenance Work Force (FY99)	15

Civilian Maintenance Work Force (FY99).....	16
Major DoD Maintenance Depots	17
DoD Depot Maintenance Downsizing.....	18
Depot Maintenance Personnel.....	19
Depot Maintenance Programs	20
Joint Service CONUS Organic Workload (DLH 000).....	21
Depot Maintenance Workload Percentages	22
Depot Maintenance Interservice Workloads (FY99)	23
Organic Maintenance Depot Capacity and Utilization.....	24
Depot Maintenance Share of the DWCF	25

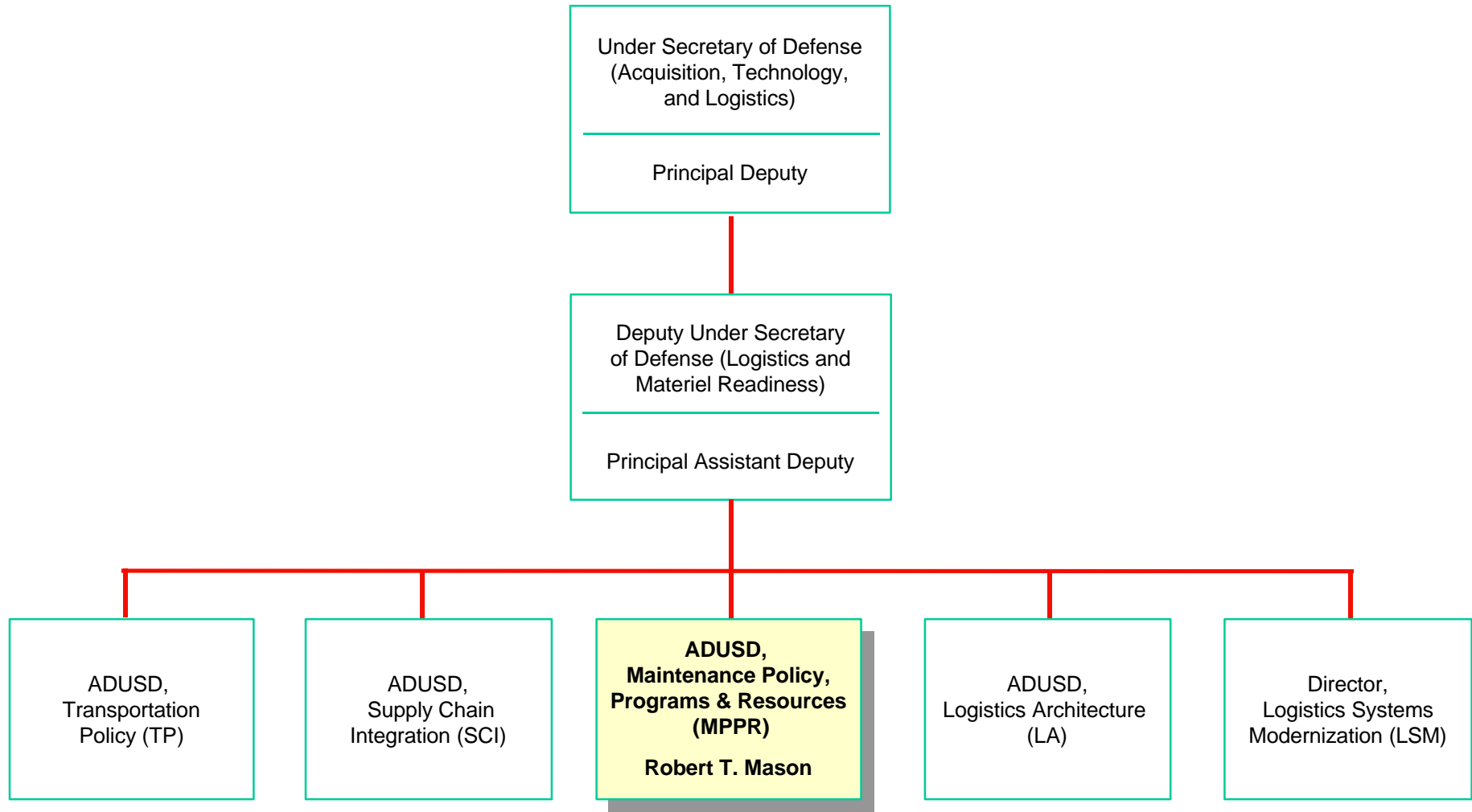
Acronym List

AD	Army Depot
ADUSD	Assistant Deputy Under Secretary of Defense
AF	Air Force
AIMD	Accounting and Information Management Division
ALC	Air Logistics Center
AMARC	Aerospace Maintenance and Regeneration Center
BRAC	Base Realignment and Closure
C-E	Communications-Electronics
CFT	Contract Field Team
COMM	Communications
CONUS	Continental United States
DDMC	Defense Depot Maintenance Council
DLA	Defense Logistics Agency
DLH	Direct Labor Hours
DMA	Depot Maintenance Activity
DMI	Depot Maintenance Interservicing
DoD	Department of Defense
DUSD(L&MR)	Deputy Undersecretary of Defense (Logistics & Materiel Readiness)
DWCF	Defense Working Capital Fund
FY	Fiscal Year
GAO	General Accounting Office

Acronym List

JS	Joint Service
MC3	Marine Corps Multi-Commodity Maintenance Center
NADEP	Naval Aviation Depot
NAVAIR	Naval Air Systems Command
NAVSEA	Naval Sea Systems Command
NIMSC	Nonconsumable Item Material Support Code
NSWC	Naval Surface Warfare Center
NSY	Naval Shipyard
NUWC	Naval Undersea Warfare Center
OSD	Office of the Secretary of Defense
PP&E	Property, Plant and Equipment
R&D	Research and Development
SPAWAR	Space and Naval Warfare Systems Command
UK	United Kingdom
USMC	United States Marine Corps

OSD Logistics Organization



Logistics Mission & Vision Statements

Mission Statement

To provide responsive and cost-effective support to ensure readiness and sustainability for the total force across the spectrum of military operations.

Vision Statement

By FY2006, the joint logistics process will be a highly efficient, integrated system that ensures required support to the warfighter.

Logistics End-State Characteristics

Maintenance-related Target Characteristics

Maintenance-related target characteristics for the DoD logistics process by FY2006 include:

- ***Integrated Supply Chain***...to satisfy customer requirements.
- ***Streamlined Business Processes***...demonstrating improved reliability, shortened processing cycles, agile manufacturing, and flexible maintenance.
- ***“Best Value” Products and Services***...by competitive sourcing of products, services, and providers.
- ***Commercial Practices and Core Functions***...taking advantage of technologies and methods being created in the commercial sector, while continuing to perform core functions and capabilities.
- ***Information Access***...across DoD and private-sector activities to facilitate compressed times for responding to requirements.
- ***Integrated Data Environment***...to ensure universal access and rapid response to logistics information requirements.

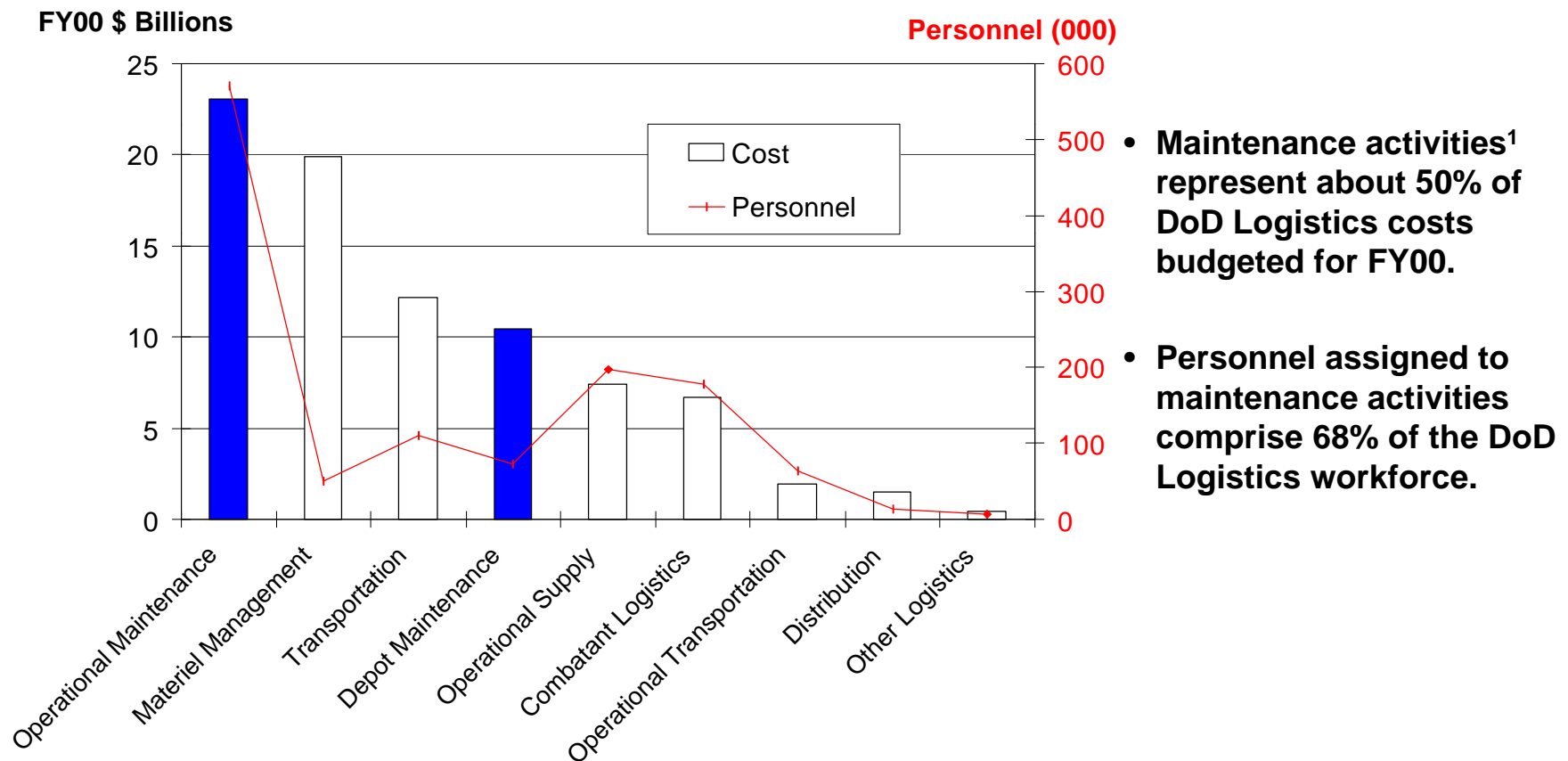
Logistics Objectives & Performance Measures

Maintenance-related Objectives & Performance Measures

Linking logistics objectives with results-oriented, quantifiable measures of success:

Objective	Performance Measure
• Optimize warfighter support	• Reach specified percentage of Level “A” weapon systems meeting targeted Mission Capable (MC) rates through FY2006
• Implement Customer Wait Time (CWT)	• Implement complete CWT measurement for all selected segments by the end of FY2006
• Fully implement joint Total Asset Visibility (TAV)	• Implement all TAV requirements by the end of FY2006
• Reengineer/modernize applicable logistics processes/systems	• Increase proportion of modernized logistics business systems by the end of FY2006
• Minimize logistics costs	• Reduce logistics support cost per selected weapon system by 7% by FY2000; by 10% by FY2001; and 20% by the end of FY2005

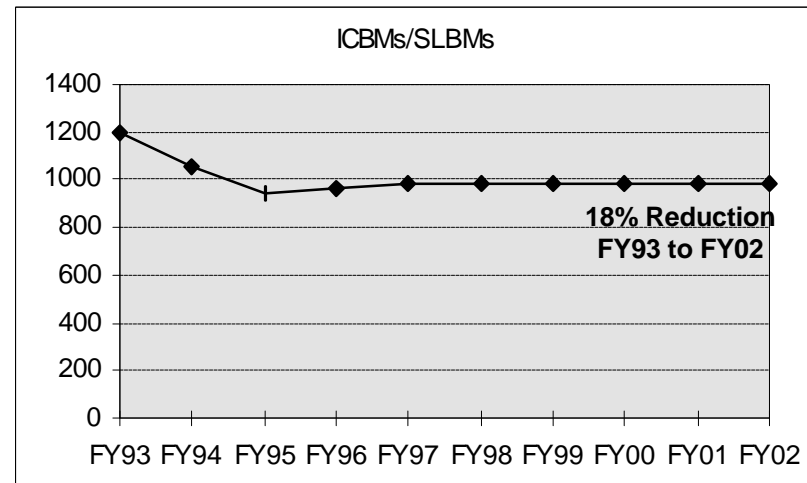
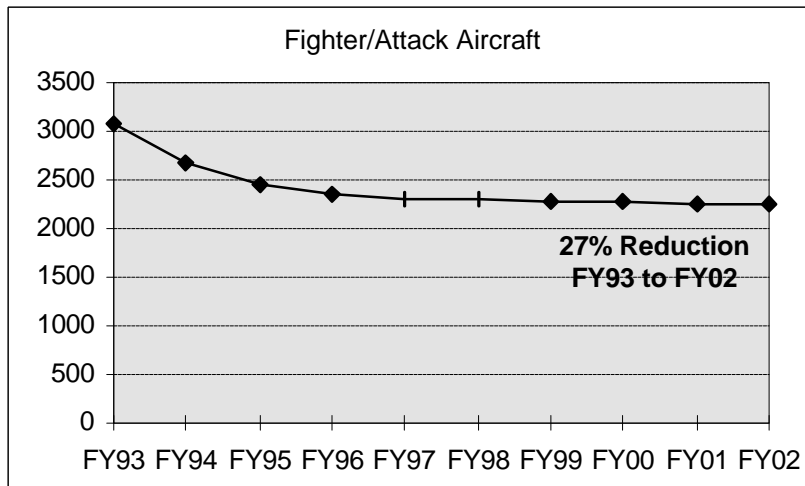
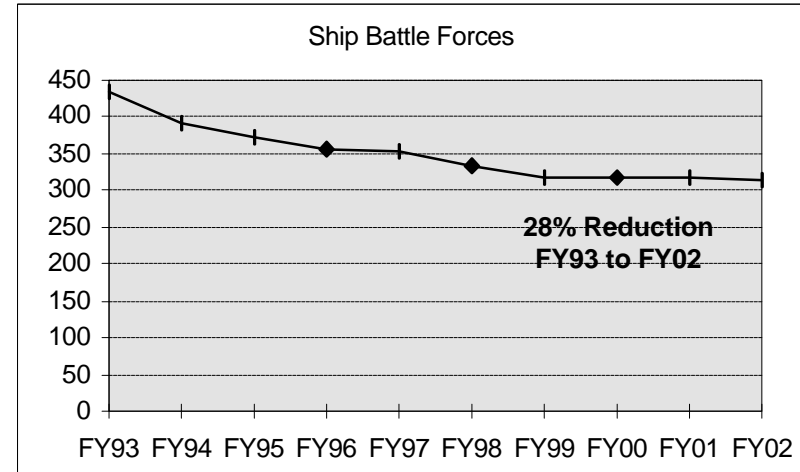
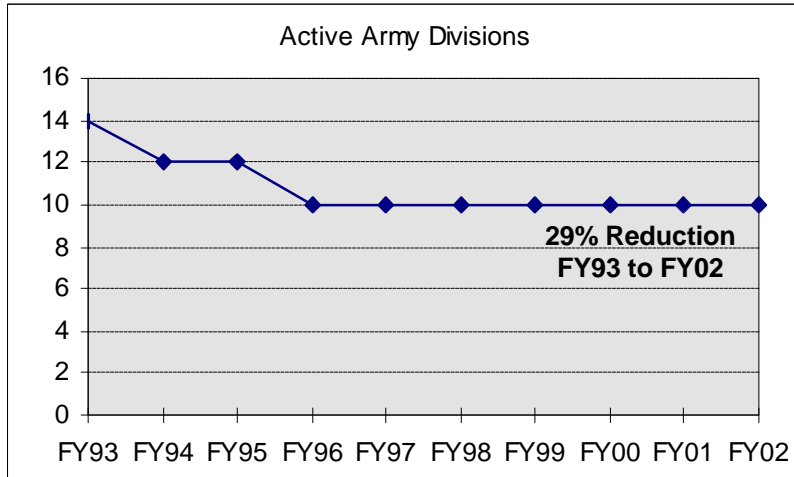
Logistics Costs and Personnel



¹ Maintenance Activities include some costs assigned to categories other than operational and depot maintenance

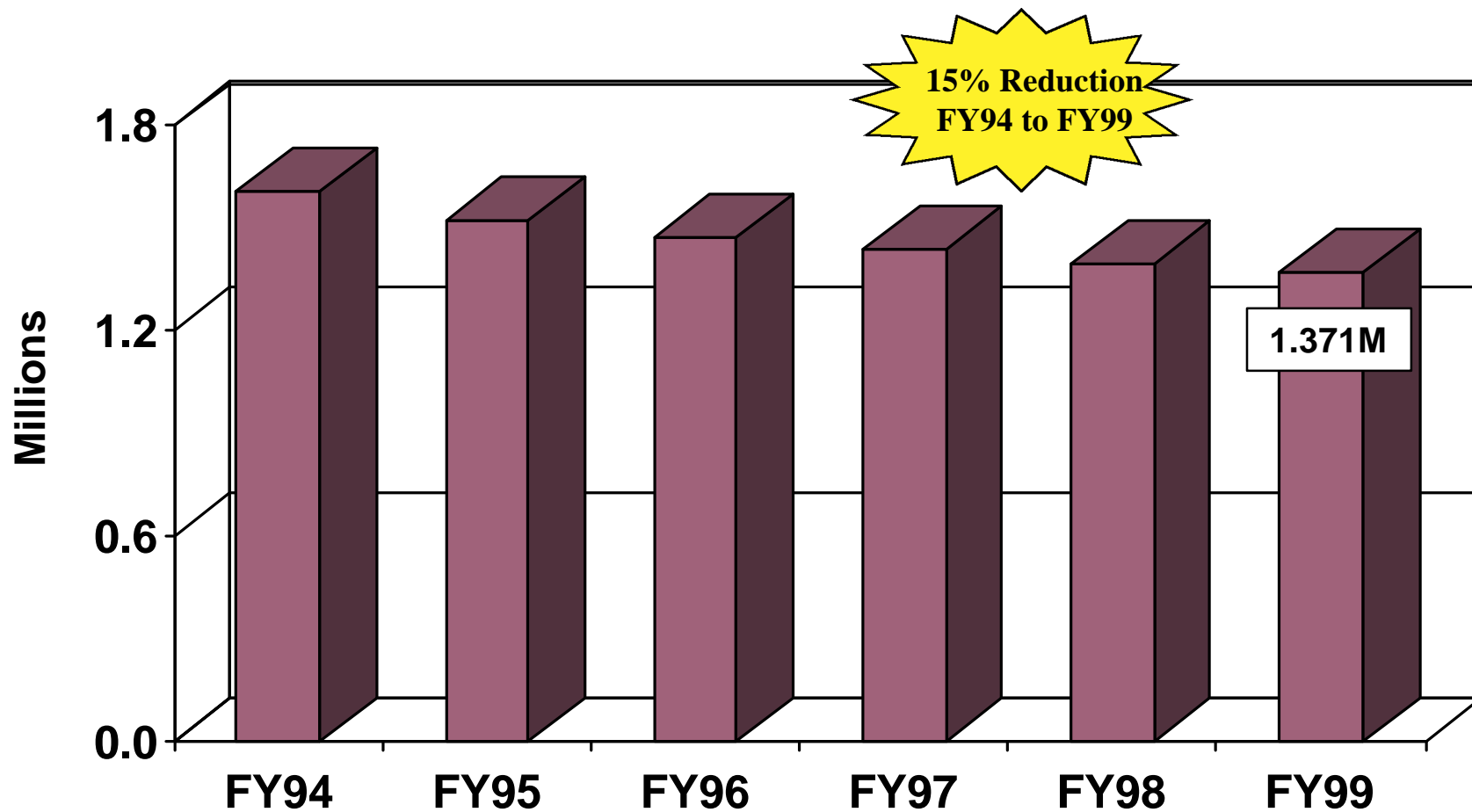
Defense Trends

Force Structure Changes



Defense Trends

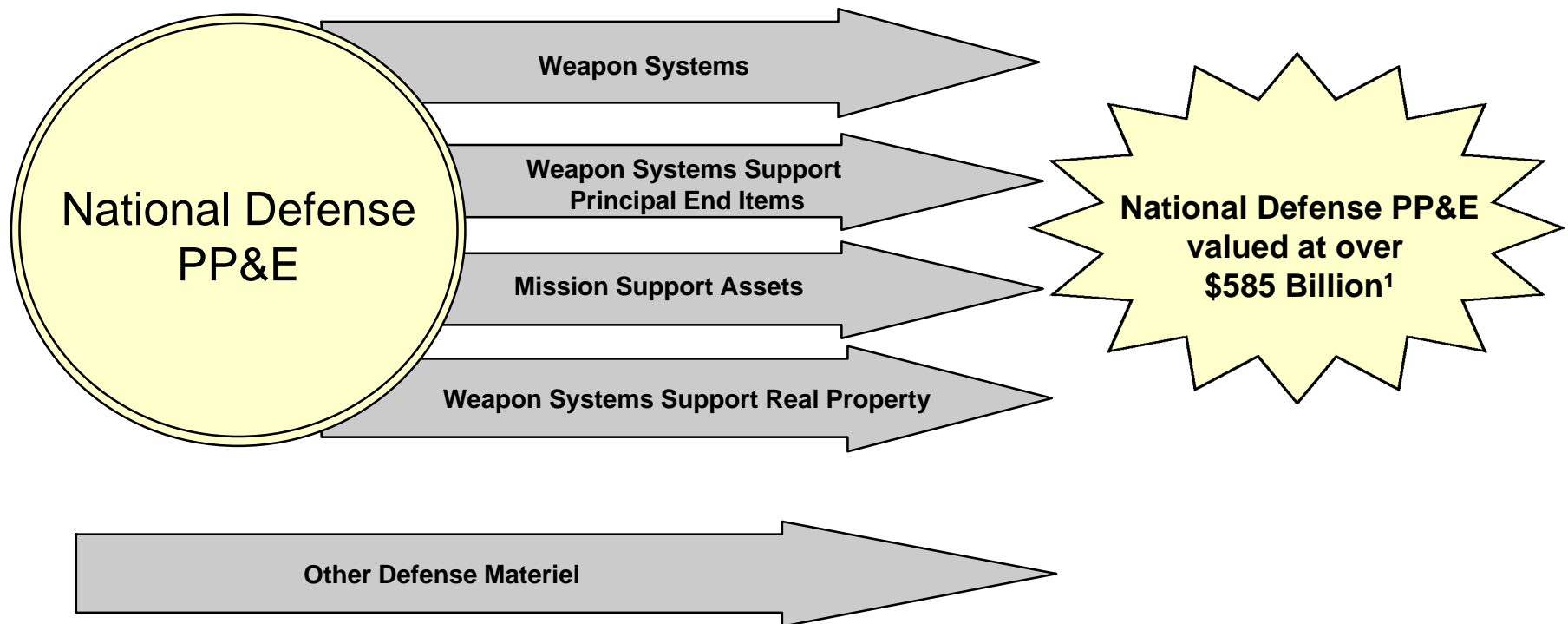
Active Duty Personnel



Source: Defense Manpower Data Center

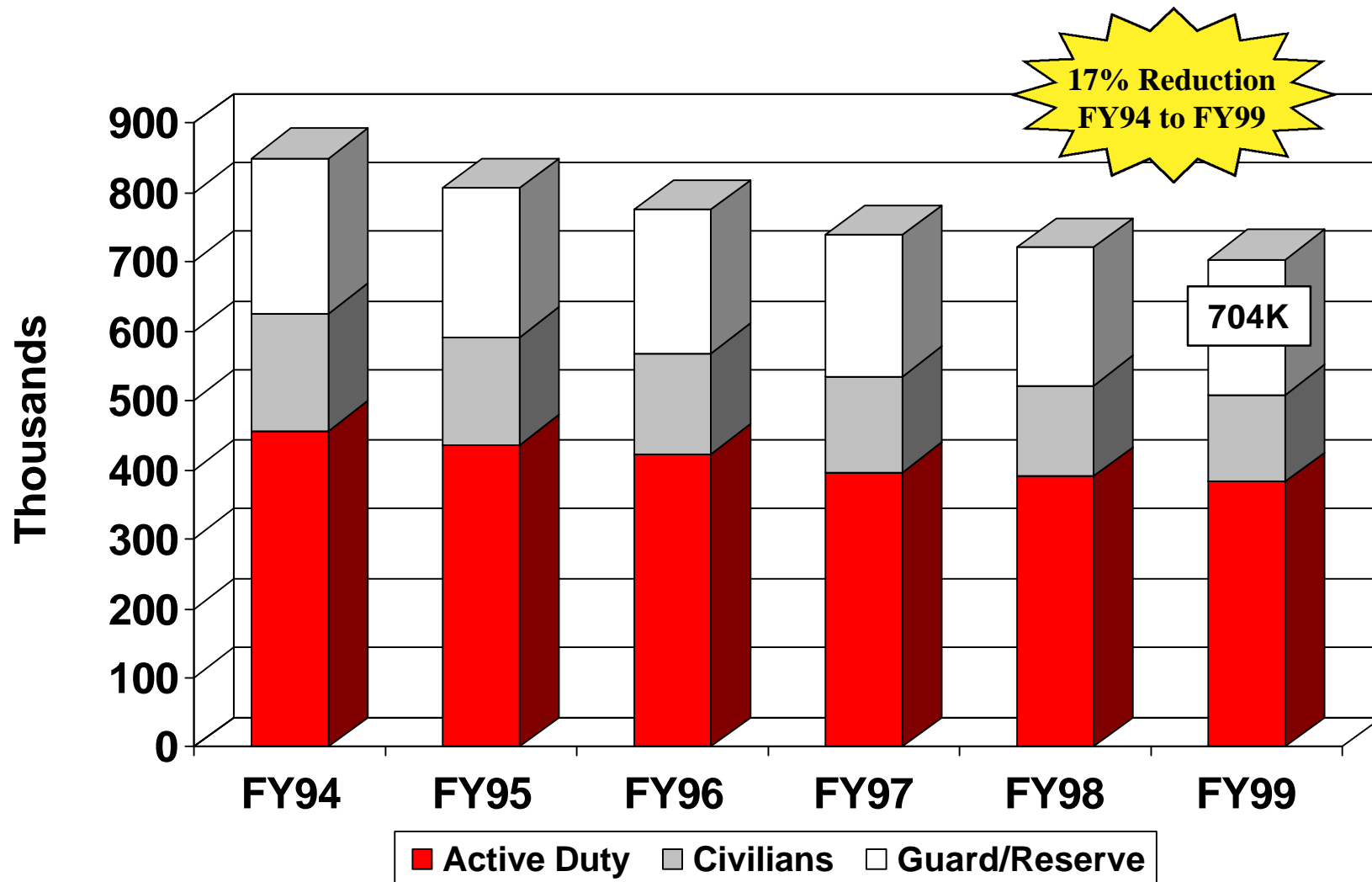
DoD Maintainers Support A Wide Range Of Defense Materiel

National Defense Property, Plant, and Equipment (PP&E) is generally considered to be those assets owned and used by the Military Services in the accomplishment of military missions, which include war, operations short of war, training, peacekeeping, and support to civilian authorities during civil emergencies



Maintenance

DoD Maintenance Work Force

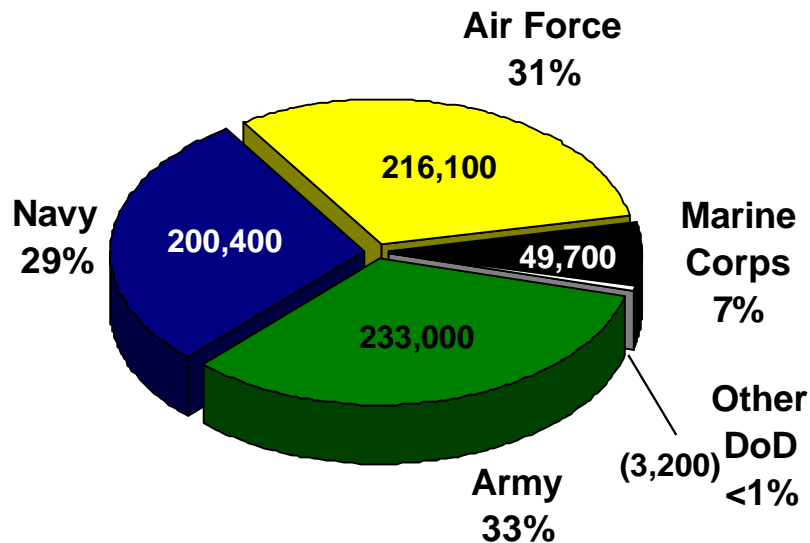


Source: Defense Manpower Data Center and Logistics Cost Baseline

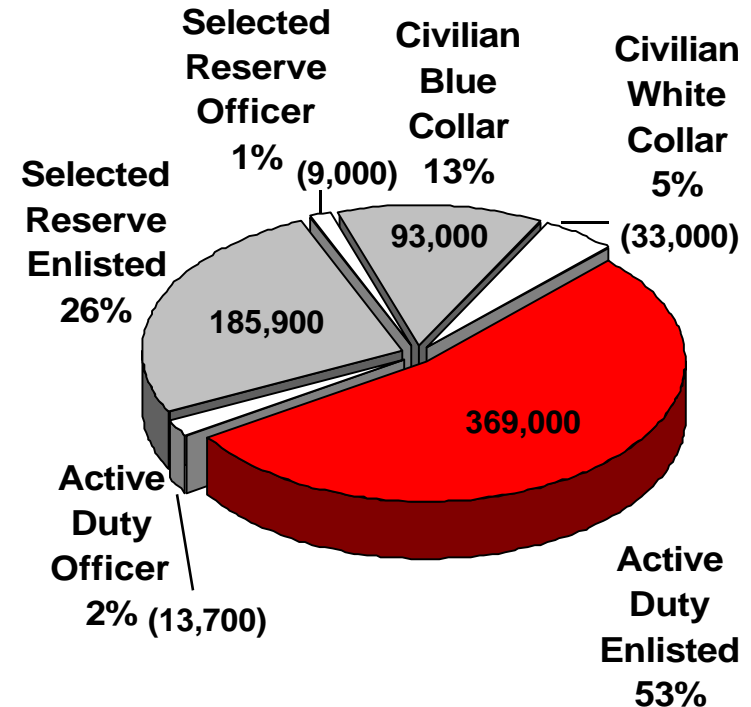
Maintenance

DoD Maintenance Work Force by Service and Segment (FY99)

BY SERVICE

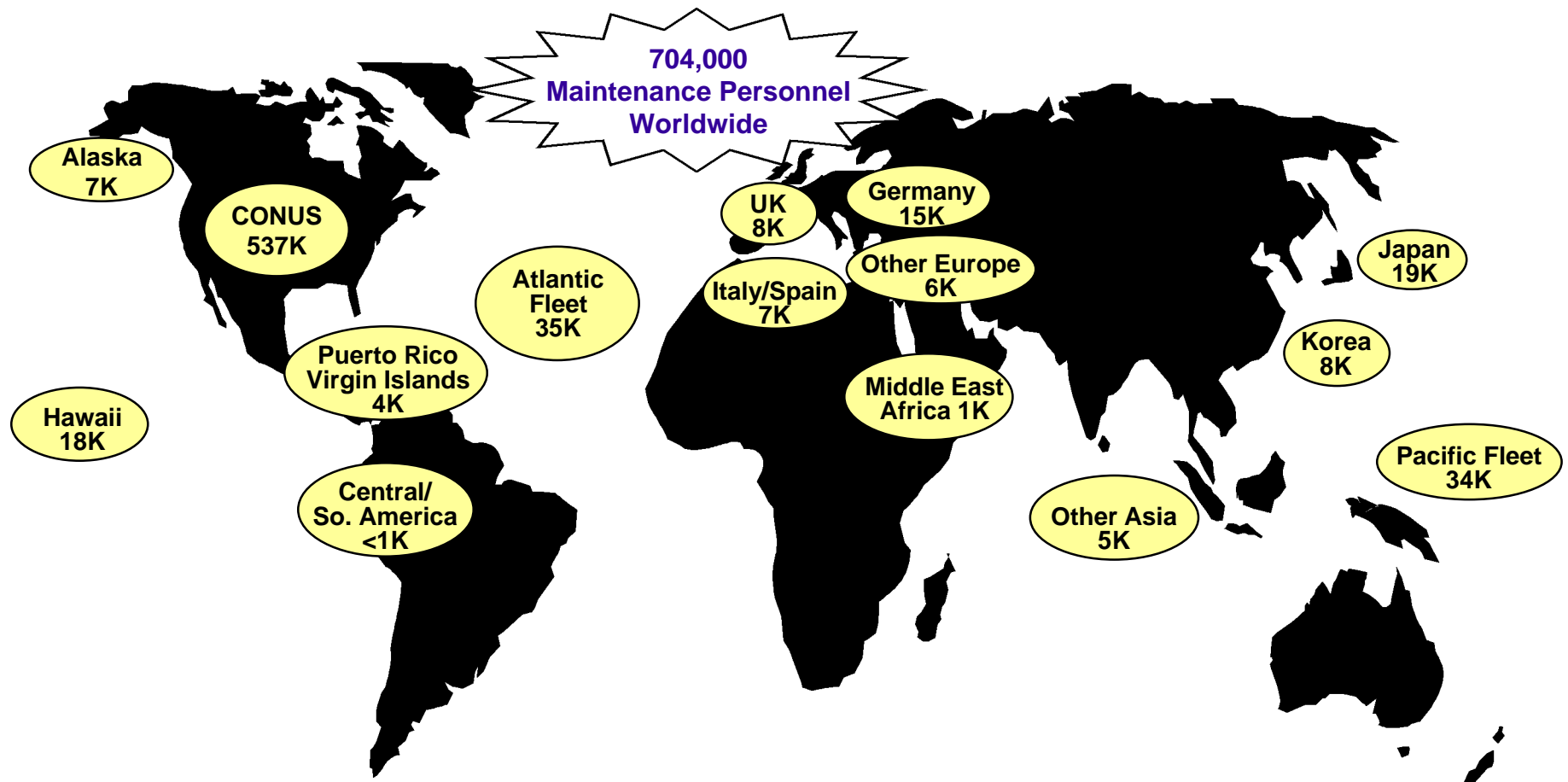


BY SEGMENT



Maintenance

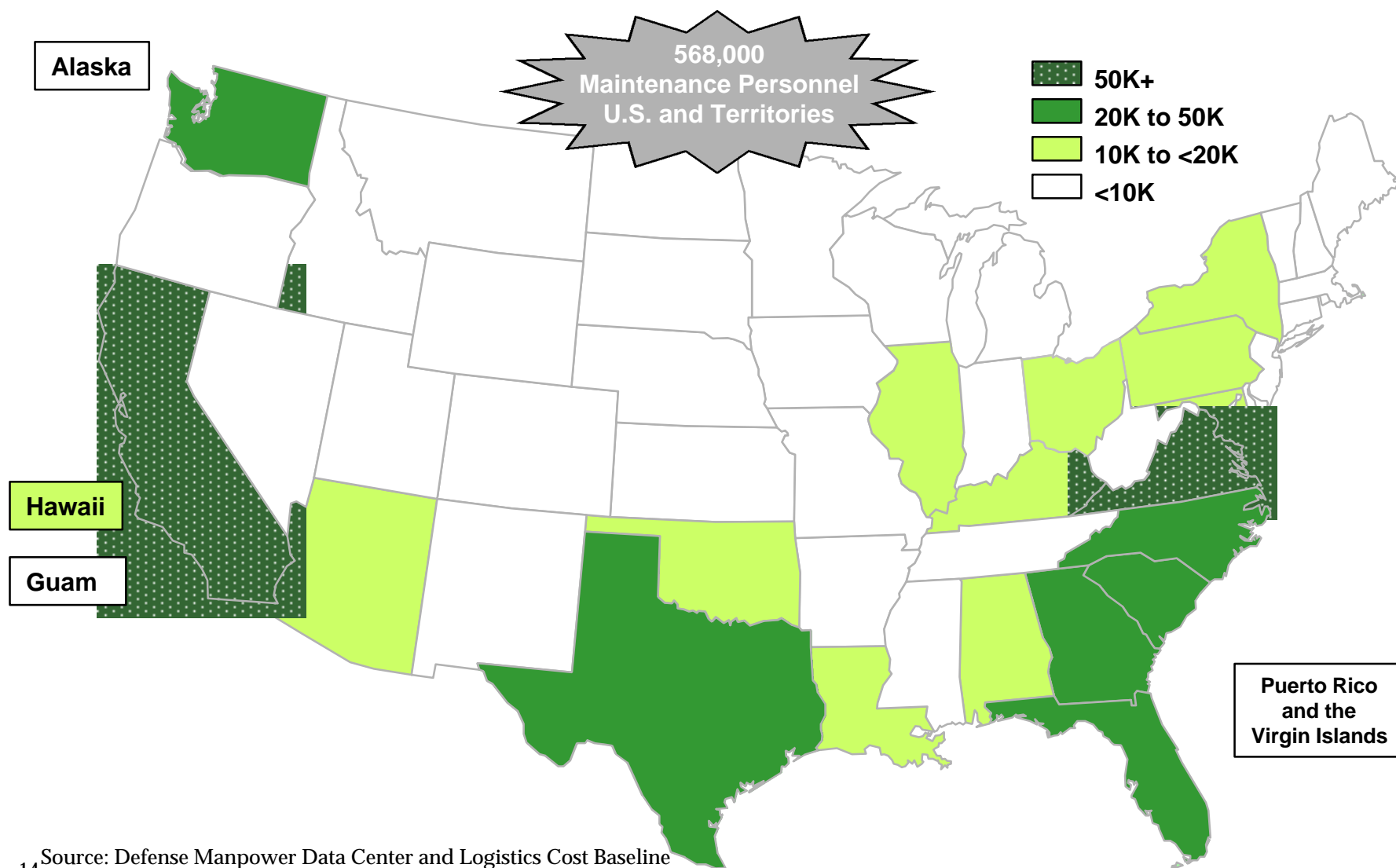
Maintenance Personnel - Worldwide



Source: Defense Manpower Data Center and Logistics Cost Baseline

Maintenance

Maintenance Personnel by State/Territory



Maintenance

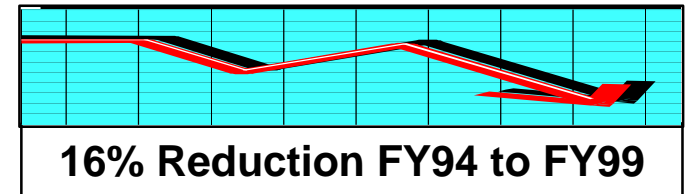
Active Duty Maintenance Work Force (FY 99)

71% Commissioned
29% Warrant Officer

Officer

13,700

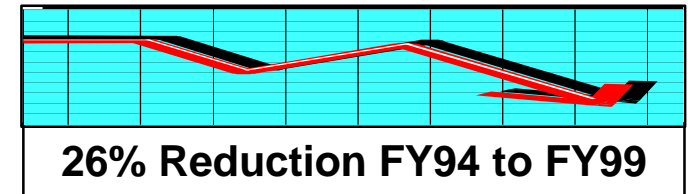
Enlisted
369,000



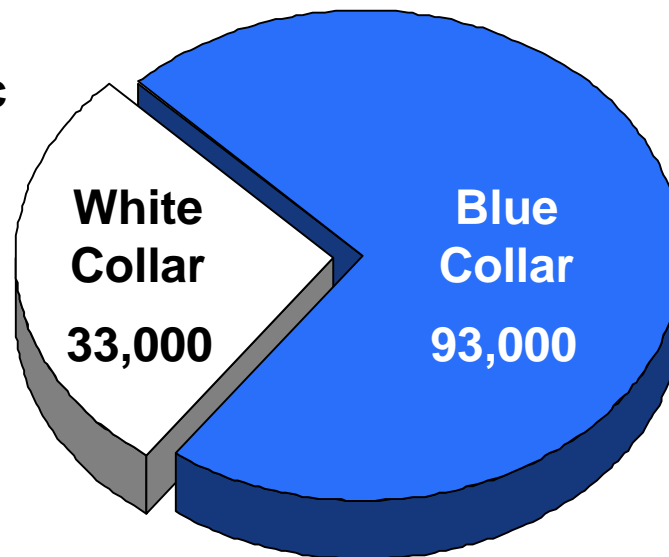
65% Mechanical/Electrical
31% Electronic
4% Craftsmen

Maintenance

Civilian Maintenance Work Force (FY 99)

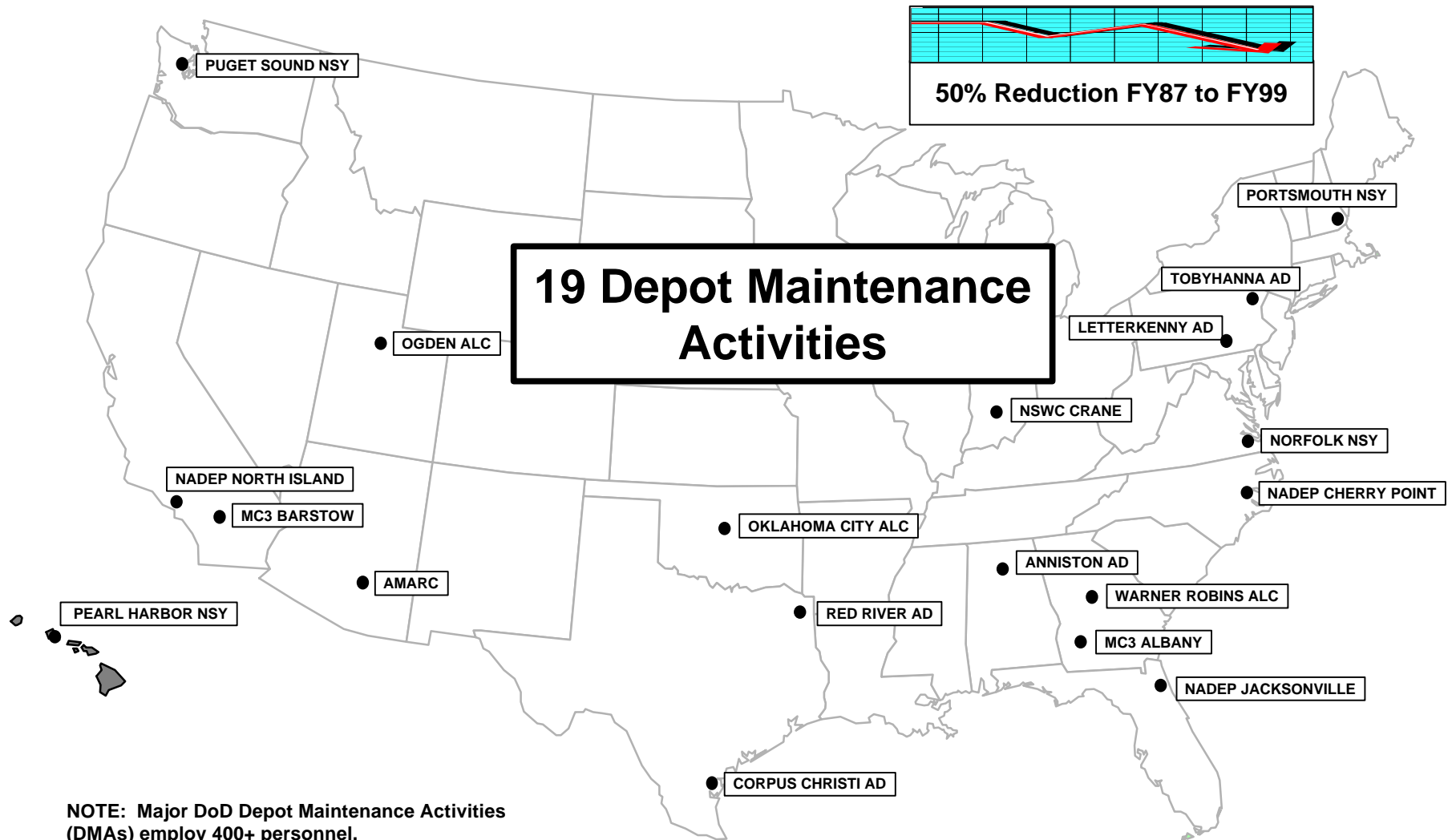


39% Electrical & Electronic
20% Production Mgmt
12% Comm & Radar
10% Aviation Maintenance
18% Other



57% Mechanical/
Electrical
24% Craftsmen
15% Electronic
4% Other

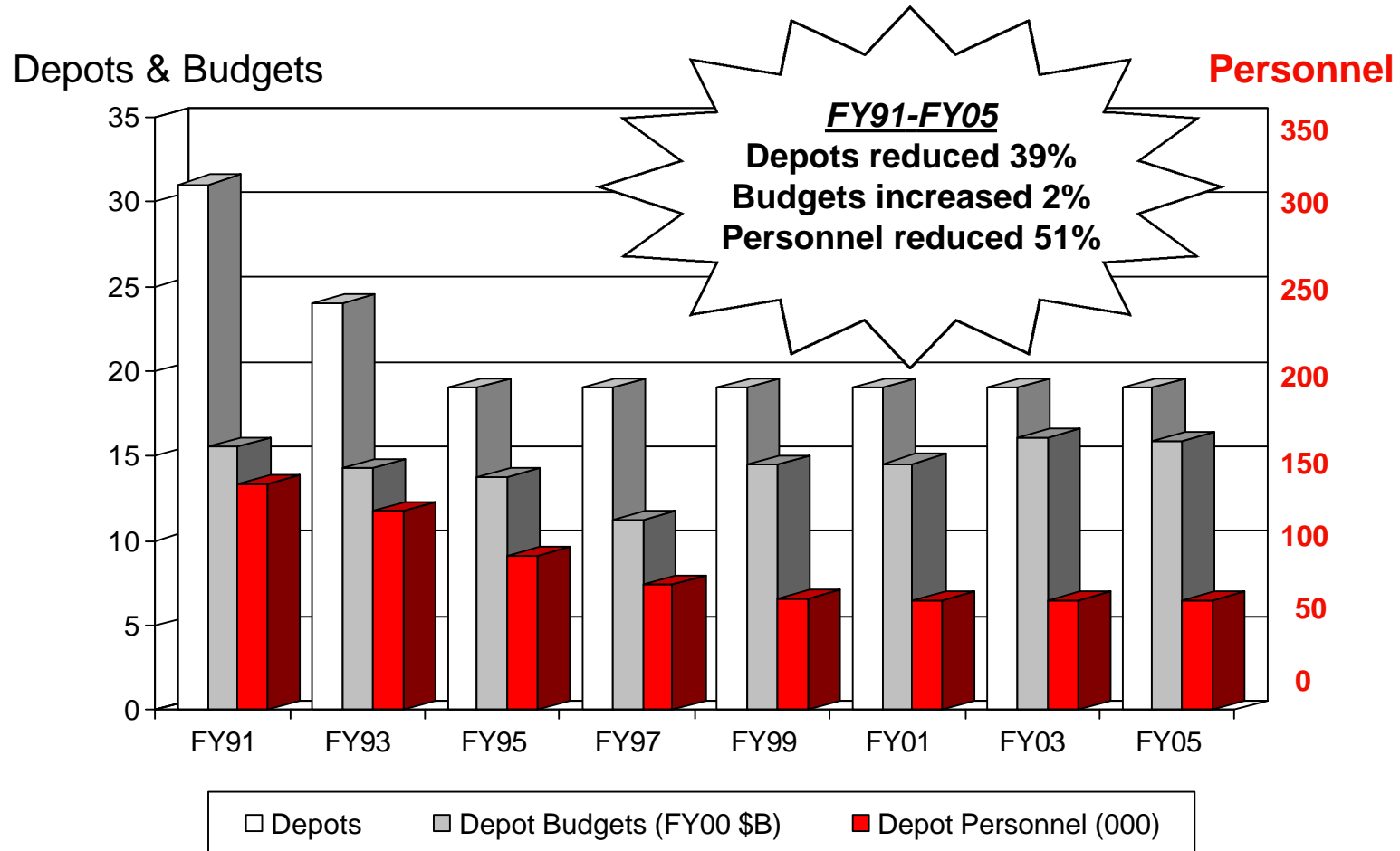
Major DoD Depot Maintenance Activities



NOTE: Major DoD Depot Maintenance Activities (DMAs) employ 400+ personnel.

Depot Maintenance – General

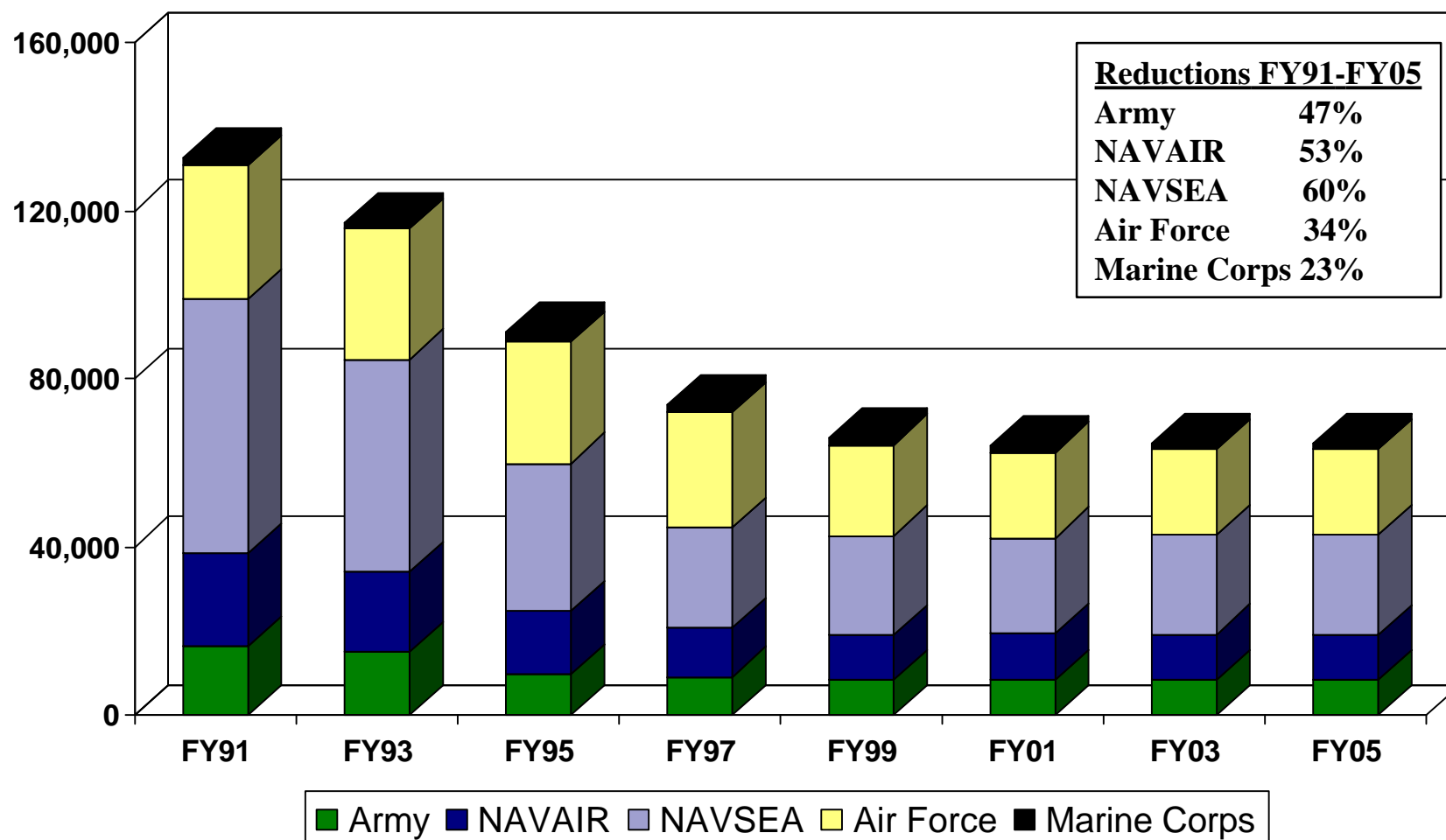
DoD Depot Maintenance Downsizing



NOTE: Budget totals include Interim Contractor Support/Contractor Logistics Support from FY99 through FY05

Depot Maintenance – Personnel

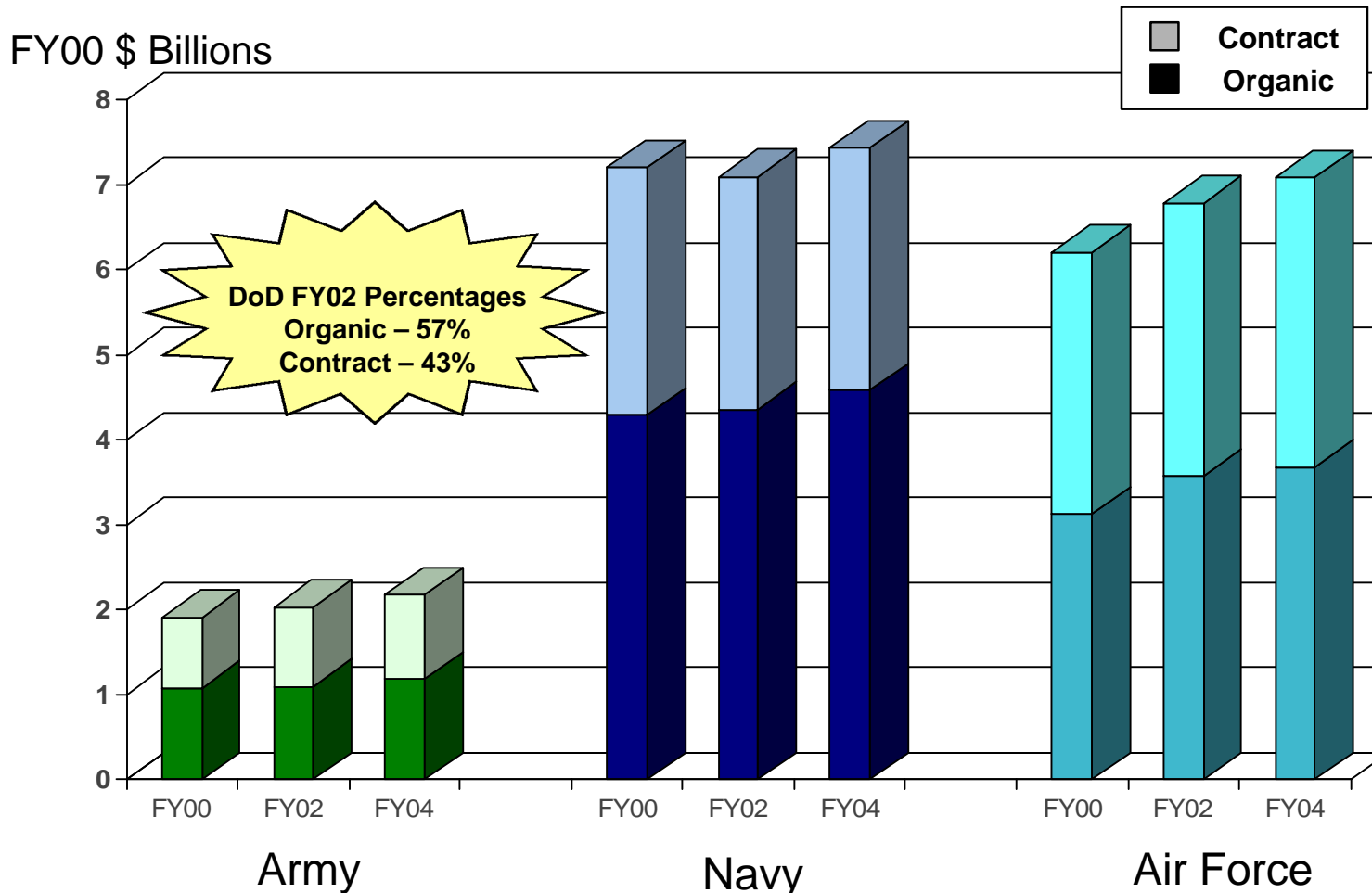
Depot Maintenance Personnel



Depot Maintenance – Workload

Depot Maintenance Programs

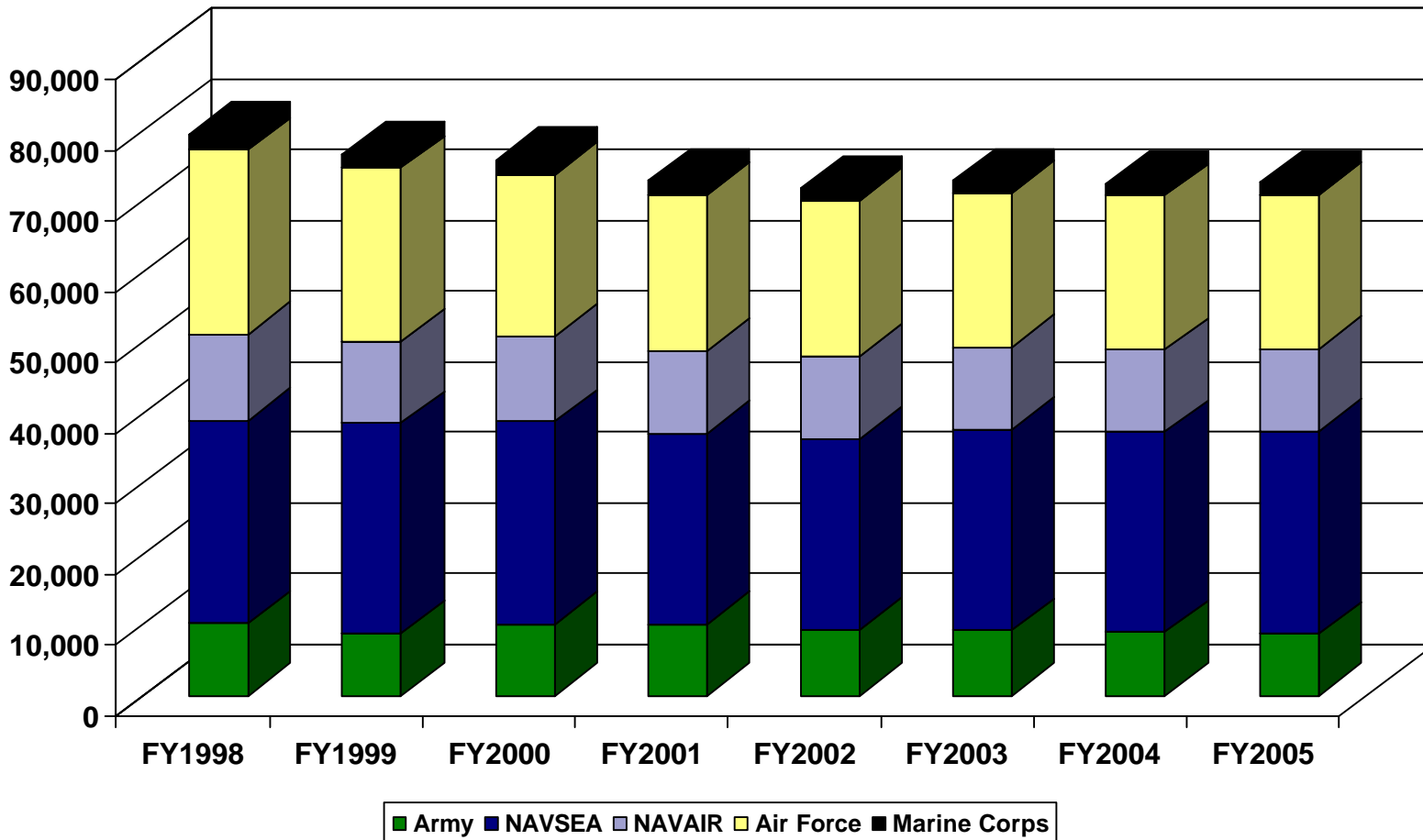
Forecast DoD Expenditures – Public and Private Sectors



NOTE: Air Force estimates may vary depending upon placement final of San Antonio ALC and Sacramento ALC workload.

Depot Maintenance – Workload

Joint Service CONUS Organic Workload (DLH 000)



NOTE: Data does not include less than 600,000 DLHs annually for DLA and SPAWAR

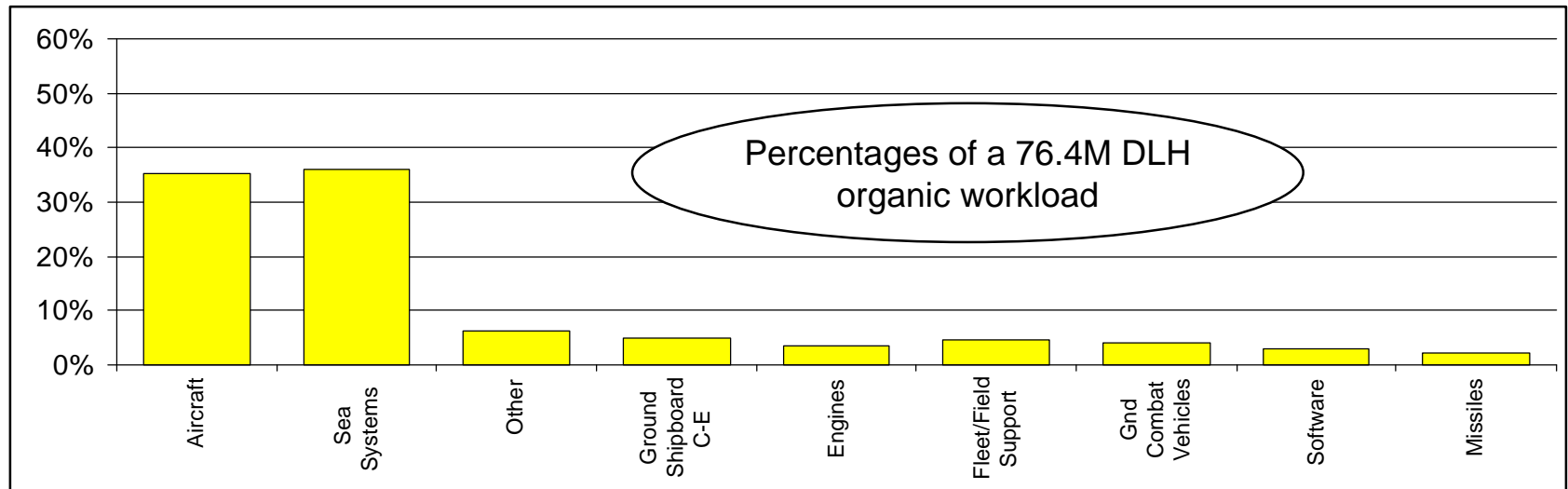
Source: DDMC Business Profile

Depot Maintenance – Workload

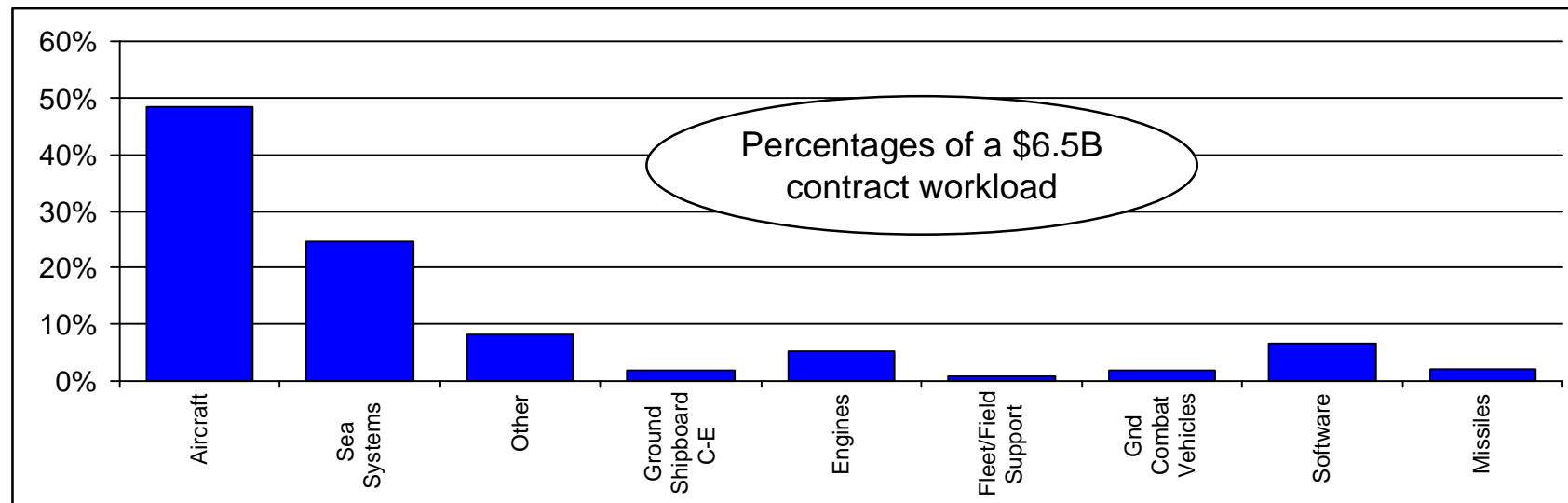
Depot Maintenance Workload

Percentages by Major Commodity – FY00

Organic
Workload



Contract
Workload



Depot Maintenance – Interservicing

Depot Maintenance Interservice Workloads – FY99

**DMI Program
\$ 964M**

JS Contract
CFT/Other
Contract 9.2%

Interservice/
Other Organic
41.3%

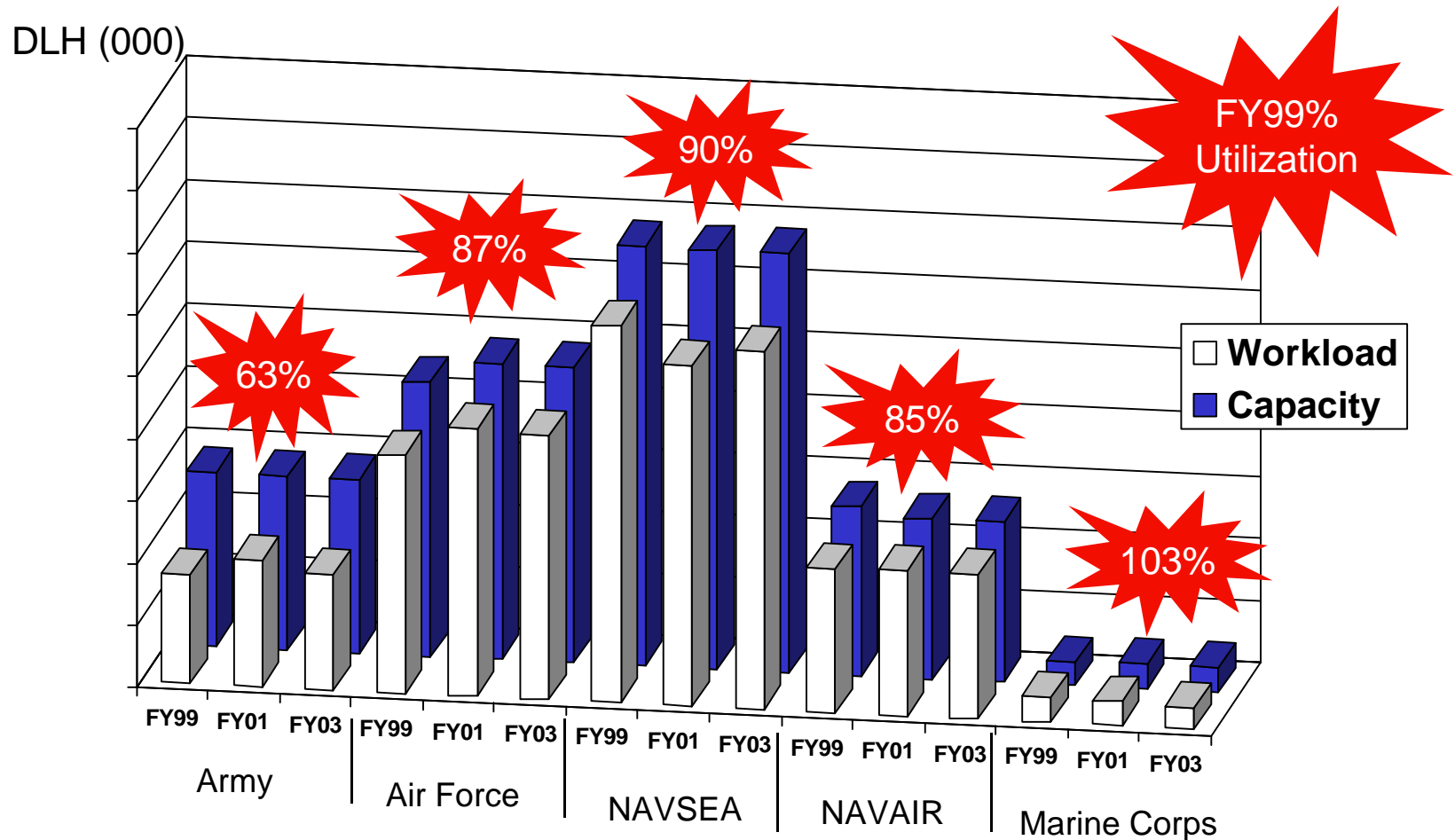
NIMSC 5
Organic 38.2%

NIMSC 5
Contract 11.3%

- 79.5% accomplished organically
- 20.5% accomplished by contract

Depot Maintenance – Capacity

DoD Organic Maintenance Depot Capacity and Utilization

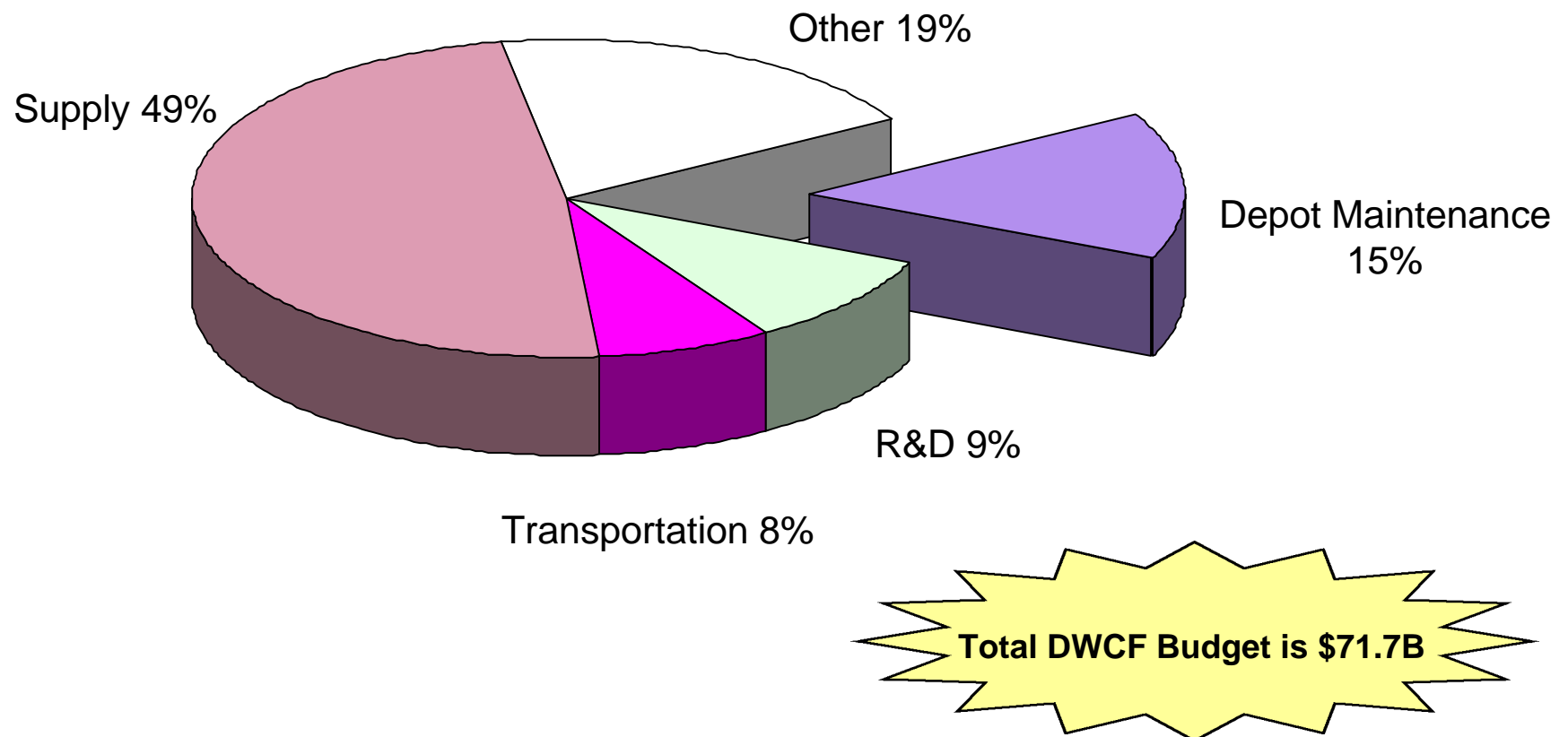


NOTE: NAVSEA data includes NSWC, NUWC, and SPAWAR. Air Force data excludes SA-ALC, SM-ALC, and AMARC.

Source: DDMC Business Profile

Depot Maintenance – Financial

Depot Maintenance Share of the Defense Working Capital Fund – FY00



Source: FY 2000 Budget - Defense Working Capital Fund

An electronic version of the Fact Book, as well as other information relevant to the responsibilities and functions of DoD's Maintenance Policy, Programs and Resources office, are located on the following website:
<http://www.acq.osd.mil/log/mppr/>